

Legal and Administrative Boundary Activities

**SDC Conference
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Agenda

- **Boundary and Annexation Survey (BAS)**
 - Overview
 - 2015 BAS Summary
 - 2016 BAS What's New and Schedule
- **Boundary Quality Assessment and Reconciliation Project (BQARP)**
 - Overview
 - Status
- **Geographic Update Partnership Software (GUPS)**
 - Overview and Goals
 - Design and Scope
 - Tools

Boundary and Annexation Survey (BAS)


- Annual, voluntary survey to collection legal status and boundary updates for tribal, state, and local governments.
- Boundary updates submitted as part of the BAS must be legally in effect on or before January 1st of each BAS year.
- Boundary updates submitted March 1st are reflected in the American Community Survey and Population Estimates data.
- Boundary updates submitted by May 31st are reflected in the following year's BAS materials (digital files and paper maps)

2015 BAS Summary

- 2015 BAS was conducted using digital materials only (MAF/TIGER Partnership Software and COTS GIS)
- BAS 2015 Entities reported:

| | <u>Packages</u> | <u>Entities Covered</u> |
|--------------|-----------------|-------------------------|
| Counties | 442 | 442 |
| Places | 854 | 1892 |
| MCDs | 6 | 643 |
| Tribal Areas | 27 | 27 |
| | 1329 | 3004 |

2016 BAS – What's Different?

- The return of BAS paper maps
 - Minor design updates
 - PDFs available online
- SWIM and BAS Videos (similar to 2015)
- Redistricting Data state contacts may submit boundary corrects for reconciliation with BAS contacts (2016 and 2017 BAS)
- Research and redesign of the BAS forms (coming in 2017 BAS)
- Retirement of the MAF/TIGER Partnership Software (MTPS) and the start of the Geographic Update Partnership Software (GUPS) tool.

2016 BAS Schedule

- **Mid-December 2015** – Annual response information emailed
- **January 1, 2016** – Annexations must be effective by this date in order to be processed
- **March 1, 2016** – Deadline for BAS submission to be included in Population Estimates Program and American Community Survey
- **March/April 2016** – State Data Center non-response follow up
- **May 31, 2016** – Deadline for BAS submission to be reflected in 2017 BAS Materials

Boundary Quality Assessment and Reconciliation Project (BQARP)

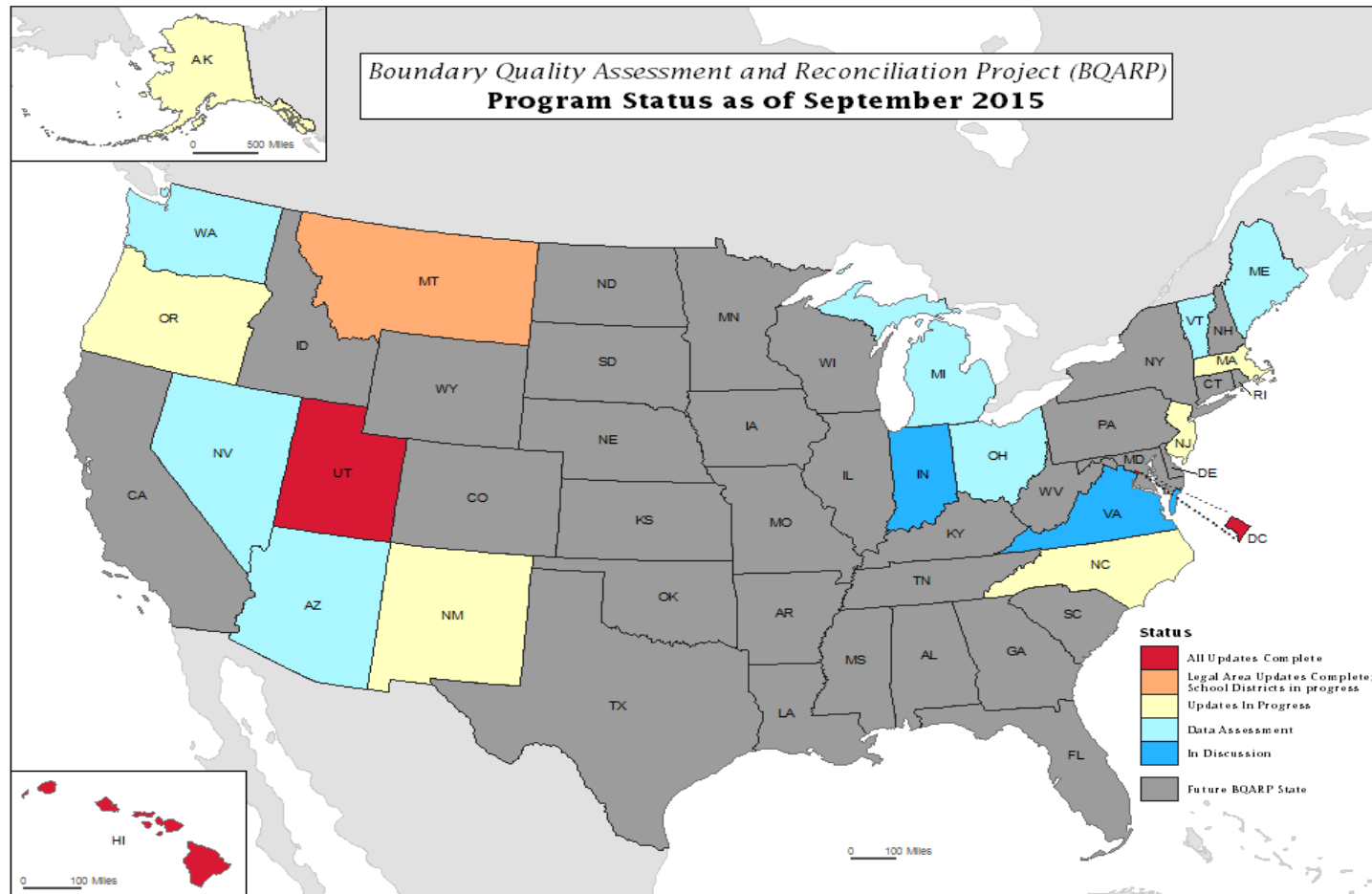
- Comparing locally sourced data to adjust Census boundaries where necessary
- Coordinating efforts with State partners
- Aligning with Parcel and Public Land Survey System (PLSS) boundaries, where applicable
- Improving the spatial quality of legal and administrative boundaries within the MAF/TIGER System
 - Establish spatial accuracy for each boundary section
 - Lock boundaries in place to avoid changes without legal documentation

BQARP Example

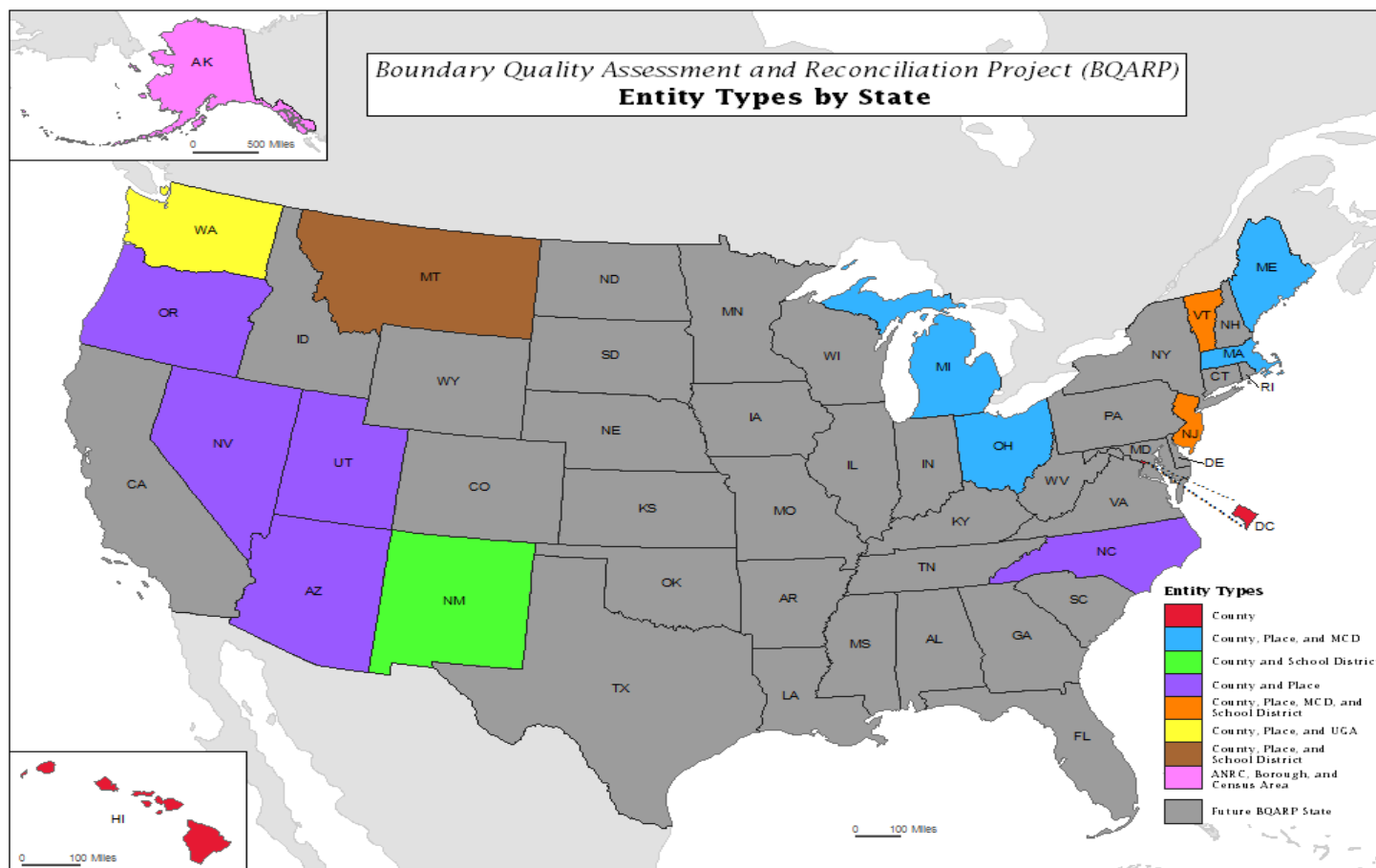
- Realigning the Census boundary (**blue**) with the locally sources place boundary (**red**) and parcels (**black**)



BQARP Status



BQARP Data Types



Geographic Update Partnership Software (GUPS)

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GUPS Program Interfaces

GUPS will support updates to the following geographic programs:

- Redistricting Block Boundary Suggestion Project (BBSP)*
- Redistricting Voting District Project (VTD)*
- Boundary and Annexation Survey (BAS)
- Local Update of Census Addresses (LUCA) Program*
- School District Review Program (SDRP)
- Participant Statistical Areas Program (PSAP)*
- Tribal Statistical Areas Program (TSAP)*
- Boundary Validation Program (BVP)
- New Construction Project (NC)
- Public Use Micro-data Area (PUMA) Program
- Traffic Analysis Zone (TAZ)/Traffic Analysis District (TAD) Program
- 2020 Census Count Question Resolution (CQR) Program

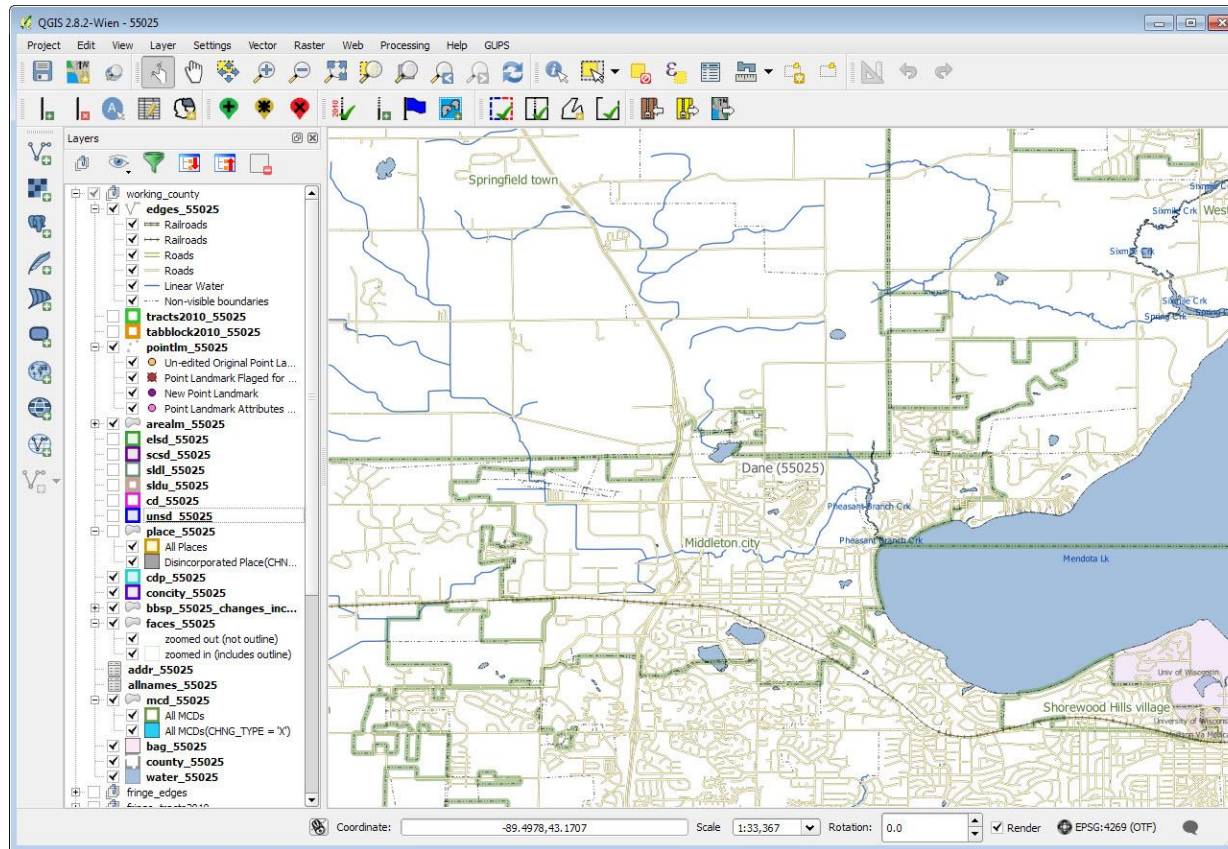
***Program requires a GUPS interface as well as verification or feedback interface**

GUPS Project Goals

- To provide a common geographic update tool, with shared core functionality, that will allow over 40,000 tribal, state, and local governments to submit digital updates for geographic programs.
- To make geographic program participation more convenient for participants and for the Census Bureau by offering the following electronic tools for Census Bureau geospatial and tabular data:
 - Viewing
 - Updating
 - Correcting
 - Verifying

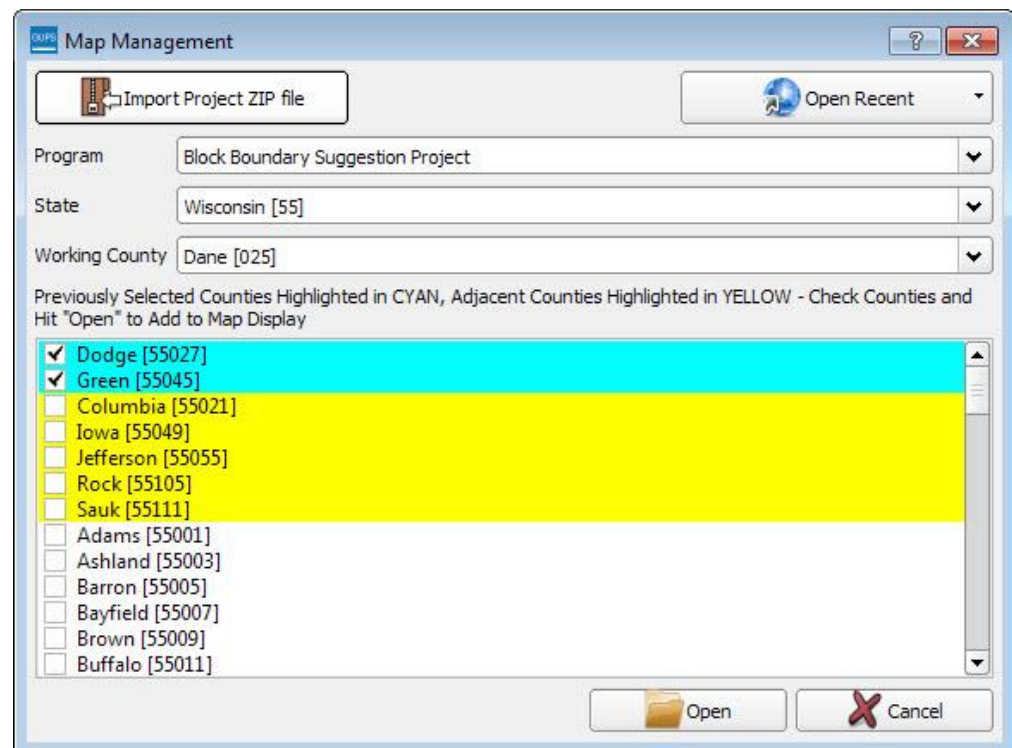
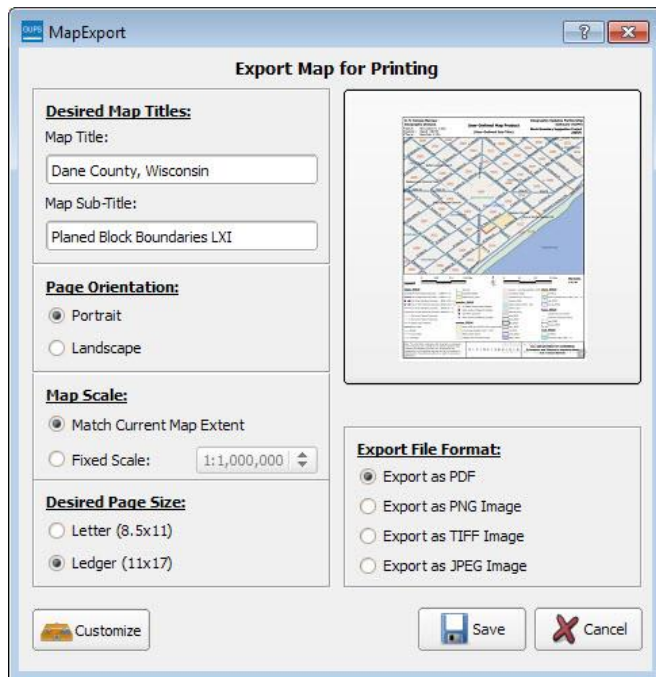
GUPS built from a solid base

GUPS is built on top of QGIS, a popular open source desktop GIS platform: www.qgis.com



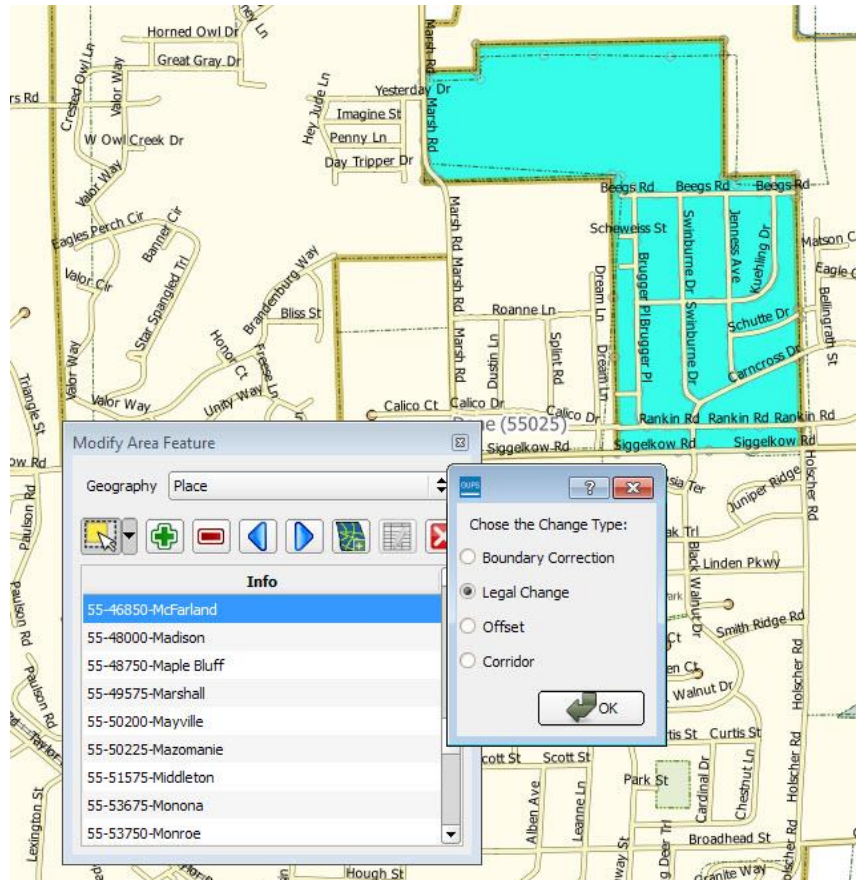
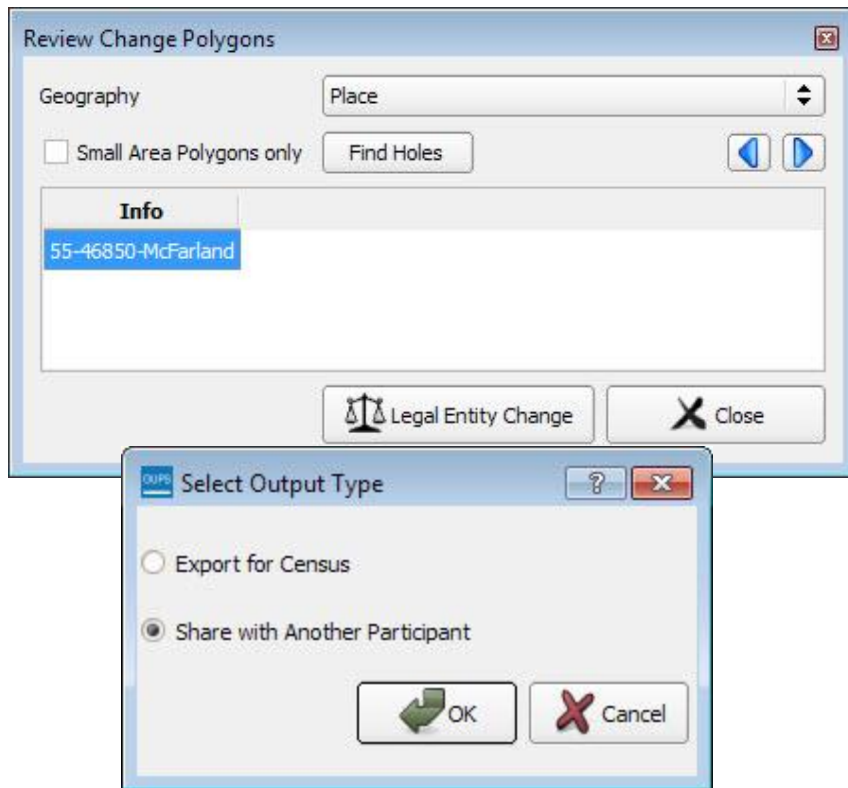
GUPS Workflow Driven Toolset

GUPS tools were designed to cover all of the essential task required of a given partnership program, and are arranged in easy to access tool bars in the order in which they will typically be use.



GUPS Project Scope

GUPS allows user to delineate changes while automatically managing and maintaining census topology. Gups provides review tools to ensure the quality of a delineation and provides an easy means to package up the delineation to submit to the Census Bureau.



Questions?